

shown in FIG. 7A may be a folder type mobile terminal. FIG. 7B shows an example of displaying an expanded screen 312 in which a screen of the first display unit 110 can be expanded to the second display unit 210 when the user wants to view contents in a wide screen, for example, contents for Internet web browsing.

[0070] It is apparent, however, to one skilled in the art that the present invention may be practiced in operations of the first control unit 180 and second control unit 240 in the examples of FIGS. 7A and 7B that is similar to that of the previous exemplary embodiment without these specific details or with an equivalent arrangement. In other instances, well-known structures and devices are shown in block diagram form in order to avoid unnecessarily obscuring the present invention.

[0071] A structure of a mobile terminal having a detachable sub-display unit according to exemplary embodiments of the present invention provides simplified configuration in expanding display unit compared to a conventional mobile terminal having a coupling structure by implementing a mechanical connection method

[0072] The approach embodied in exemplary embodiments of the present invention makes a user to perform an operation using only the first display unit of the first body unit when a mobile terminal having a detachable sub-display unit, the user may choose to carry only the first body unit when a screen expansion is needed by coupling the first display unit to the second display, thereby enhancing mobility of the mobile terminal.

[0073] A size of a display area of the mobile terminal of the present invention may be easily adjusted corresponding to applications in which the user may expand a screen of the first display unit to the second display unit by coupling the first body unit and second body unit when it is required.

[0074] It will be apparent to those skilled in the art that various modifications and variations can be made in the present invention without departing from the spirit or scope of the invention. Thus, it is intended that the present invention cover the modifications and variations of this invention provided they come within the scope of the appended claims and their equivalents.

What is claimed is:

1. A mobile terminal, comprising:
 - a first body unit having a first display unit formed to a portion of the first body unit; and
 - a second body unit having a second display unit formed to a portion of the second body unit,
 wherein a magnet is formed to a portion of side surface of the first body unit or a portion of side surface of the second body unit, wherein the second body unit is detachably coupled to the first body unit.
2. The mobile terminal of claim 1, further comprising:
 - a surface of the second display unit is coupled in parallel with a surface of the first display unit.
3. The mobile terminal of claim 1, wherein the first body unit comprises a sensor unit to detect whether the second body unit is coupled to the first body unit.
4. The mobile terminal of claim 1, wherein the first unit further comprises a first control unit to control a screen display of the first display unit, the second body unit further comprises a second control unit to control a screen display of the second display unit
 - and, the first control unit transmits and receives a control signal to and from the second control unit, in response to

detection of an operation command to the second body unit to control screen displays of the first display unit and the second display unit.

5. The mobile terminal of claim 4, wherein the first body unit comprises a first signal transmission/reception unit, the second body unit comprises a second signal transmission/reception unit, wherein the first signal transmission/reception unit is configured to transmit and to receive the control signal to and from the second signal transmission/reception unit via wireless communication.

6. The mobile terminal of claim 4, wherein the first control unit is configured to control a menu screen of the first display unit, and the second control unit is configured to control to display a screen image of the second display unit in response to detection of a user input on the menu screen from the first control unit, and the screen image corresponds to a user input on the menu screen.

7. The mobile terminal of claim 4, wherein the first control unit and the second control unit are configured to control display of at least one of a whole screen, a screen in part, or an identical screen of the first display unit and the second display unit.

8. The mobile terminal of claim 4, wherein, in response to detection of the second body unit that is coupled to the first body unit, the first control unit and the second control unit are configured to control to expand a display screen of the first display unit to a display screen of the second display unit.

9. The mobile terminal of claim 1, wherein the first display unit and the second display unit comprises an LCD (liquid crystal display) device and an OLED (organic light emitting diode) device.

10. The mobile terminal of claim 1, wherein the first display unit and the second display unit comprise a touch screen function.

11. The mobile terminal of claim 1, wherein the first body unit and the second body unit comprise a key input unit to receive a command input by a user.

12. A method, comprising:

receiving a request from a first display unit to expand a display image;

determining a second display to satisfy the expand request; and

outputting whole or in part of the display image using the second display, wherein the first display and the second display are detachably coupled using a magnet.

13. The method of claim 12, further comprising:

allocating a first control unit of the first display unit to control the first display unit; and

allocating a second control unit of the second display unit to control the second display unit, wherein

the second control unit, in response to detection of an operation command to the second display unit, is configured to control the first display unit and the second display unit.

14. The method of claim 12, wherein the first display unit comprises a first signal transmission/reception unit, the second display unit comprises a second signal transmission/reception unit, wherein the first signal transmission/reception unit is configured to transmit and to receive the control signal to and from the second signal transmission/reception unit via wireless communication.

15. The method of claim 13, wherein the first control unit is configured to control a menu screen of the first display unit, and the second control unit is configured to control to display